

REMARKS

In an Office Action dated October 19, 2004, the Examiner rejected claims 1-14 under 35 U.S.C. §102(e) as being anticipated by Rinchiuso et al. (U.S. patent no. 6,104,709, hereinafter referred to as "Rinchiuso"). The rejections are traversed and reconsideration is hereby respectfully requested.

The Examiner rejected claims 1-14 under 35 U.S.C. §102(e) as being anticipated by Rinchiuso. Specifically, with respect to claim 1, the Examiner stated that Rinchiuso teaches receiving multiple uplink transmissions from multiple remote units (113-117) involved in a group call (FIG. 1 and col. 3, lines 43-44), determining the remote unit (113) from the multiple remote units based on an energy of the remote unit's uplink transmission (col. 4, lines 16-18; col. 7, lines 38-54; and FIG. 6), and assigning the remote unit a high data rate uplink channel based on the determination (a common supplemental channel is assigned to the remote unit) (col. 7, lines 60-62 and FIG. 6). The applicants respectfully disagree with the Examiner's interpretation of Rinchiuso.

First, nowhere does Rinchiuso teach determining a remote unit from multiple remote units based on an energy of the remote unit's uplink transmission. The sections of Rinchiuso cited by the Examiner (col. 4, lines 16-18, col. 7, lines 38-54, and FIG. 6) merely teach that a base station receives a request from a remote unit to join a multicast session and, in response to receiving the request, determines whether the base station has already subscribed to the session (for example, the base station may have subscribed to the session in response to receiving an earlier request to join the session from another remote unit). If the base station has already subscribed to the session, the base station conveys an acknowledgment to the remote unit informing of a downlink channel that will be used by the base station to convey the multicast data. If the base station has not subscribed to the session, the base station conveys an upstream request to join the multicast session, and in response to joining the session, conveys the acknowledgment to the remote unit. The base station further informs ("assigns") the remote unit of the downlink common supplemental channel that will be used to broadcast the multicast session data to the remote unit. This downlink channel is assigned to all remote units participating in the session as this is the channel to which they all tune in order to receive

broadcasts of the multicast session data. Nowhere does Rinchiuso teach a determining of a remote unit from the multiple remote units based on an energy of the remote unit's uplink transmission.

Second, nowhere does Rinchiuso teach assigning the remote unit a high data rate uplink channel based on the determination of the remote unit from multiple remote units based on an energy of the remote unit's uplink transmission. The sections of Rinchiuso cited by the Examiner (col. 7, lines 60-62, and FIG. 6) merely teach receiving data from a router that is intended for participants to the multicast session and broadcasting the data over the downlink common supplemental channel assigned to the multicast session. Nowhere does Rinchiuso teach assigning the remote unit a high data rate uplink channel. In fact, Rinchiuso makes no mention of high data rate uplink channels, as the common supplemental channel repeatedly referenced by the Examiner is a downlink channel.

Therefore, Rinchiuso does not teach the limitations of claim 1 of determining the remote unit from the multiple remote units, wherein the remote unit is determined based on an energy of the remote unit's uplink transmission, and assigning the remote unit a high-data-rate uplink channel based on the determination. Accordingly, the applicants respectfully request that claim 1 may now be passed to allowance.

Since claims 2-6 depend upon allowable claim 1, the applicants respectfully request that claims 2-6 may now be passed to allowance.

Claim 7 provides for determining, from multiple uplink transmissions, a remote unit having a highest energy transmission and assigning the remote unit a second uplink communication signal based on the determination. As noted above, these limitations are nowhere taught by Rinchiuso. Accordingly, the applicants respectfully request that claim 7 may now be passed to allowance.

Since claims 8-10 depend upon allowable claim 7, the applicants respectfully request that claims 8-10 may now be passed to allowance.

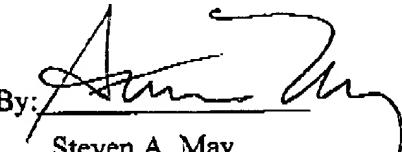
Claim 11 provides a logic unit that assigns a remote unit a high speed data channel based on an energy of the remote unit's uplink transmission. As noted above,

nowhere does Rinchiuso teach assigning a high speed data channel to a remote unit based on an energy of the remote unit's uplink transmission. Accordingly, the applicants respectfully request that claim 11 may now be passed to allowance.

Since claims 12-14 depend upon allowable claim 11, the applicant respectfully requests that claims 12-14 may now be passed to allowance.

As the applicants have overcome all substantive rejections and objections given by the Examiner and have complied with all requests properly presented by the Examiner, the applicants contend that this Amendment, with the above discussion, overcomes the Examiner's objections to and rejections of the pending claims. Therefore, the applicants respectfully solicit allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter.

Respectfully submitted,
ShaoWei Pan, et al.

By: 
Steven A. May
Attorney for Applicant
Registration No. 44,912
Phone No.: 847/576-3635
Fax No.: 847/576-3750